

Momentum?

FORCE IN A DIRECTION + SPEED  
CONTINUE TO MOVE

BUILDING UP SPEED AS  
time goes

The continuous speed + movement  
of something

starts / CAUSE A FORCE

CONSTANT RATE OF  $v + a$

momentum  
is how hard something  
is to stop

Symbol

UNITS

momentum

P

kg·m/s

momentum  $\vec{p}$

mass

velocity

$$\vec{p} = m \vec{v}$$

$$\text{kg}\cdot\text{m/s} = (\text{kg})(\text{m/s})$$

Momentum is A Vector

Direction is the same as its velocity